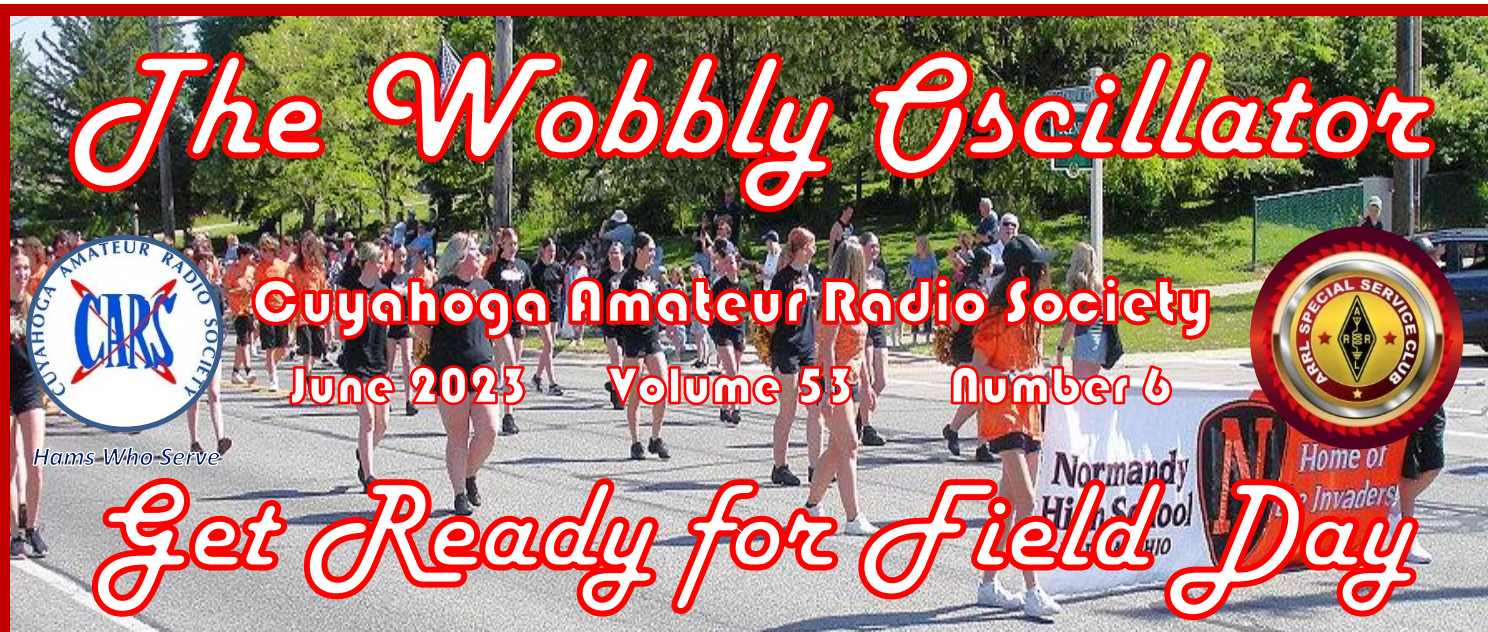




From The Prez

Field Day

To most hams, June means Field Day – the most significant operating event of the year. This holds true for the Cuyahoga Amateur Radio Society whose members look forward to the last full weekend in June. We have been planning this event since last year.

This year we're gonna have a REAL Field Day. When the FD committee met at Calvin Park on Memorial Day we were stunned to see the old Recreation Center and the pavilion we used for years leveled to the ground. There went our source of water and commercial electricity. Looks like we'll have to do everything the old-fashioned way; tents, portable coolers, bottled water, generators, sleeping bags, and campfire cooking. Can do.

CARS has always had a great Field Day. We have side band stations, a CW station, and digital stations that any member or visitor is encouraged to operate with help and assistance readily at hand. We want to get as many people on the air as possible. We normally collect all the available bonus points exemplified by a station run on alternate energy, satellite contacts, youth participation, media coverage, and more. We offer a welcoming environment to all visitors. We always gain a pound or two from colossal buffet of meals and snacks.

The best takeaway from Field Day are the friendships that are generated and enhanced. Helping set up, operate, cook, or tear down brings out the teamwork and unity of the group.

The only negative has been the thin participation the last few years. Let's blame it on Covid and try to make this year an improvement in visitation and radio use. I would really like to see more members attend and participate in Field Day. I cordially invite ALL CARS members, as well as their family and friends, to come to Field Day June 24th and 25th at Calvin Park in Seven Hills.

May 2023 Meeting Minutes

LOCATION - The meeting was held on May 9th at the Busch Funeral Home on Ridge Road in Parma, Ohio.

CALLED TO ORDER - The meeting was called to order by President Toby Kolman, WT8O, at 7:30 PM.

PLEDGE OF ALLEGIANCE - Those present pledged allegiance to the flag of the United States of America.

INTRODUCTIONS - Those present introduced themselves; 18 attendees, including 2 guests, attended the meeting.

APRIL MINUTES - The April minutes were approved as published in the May WO.

TREASURER'S REPORT - Bob Check, W8GC, reported on the club's current financial situation. No issues or concerns were identified.

PRESIDENT'S REPORT - Toby Kolman, WT8O, reported the following:

- Toby explained what Field Day is and how to get involved.
- Vote on new members - David Graham, KD8PLC and Dave Autry, WD8IOU.
- RF Exposure
- Hamvention Bus - There is still time to sign up.
All details are posted on the website.
- Positions needing to be filled:
 - Summer picnic/holiday party committee chairman
 - Quartermaster
 - Historian
 - Secretary
 - WO Contributions & TNX - Please send suggestions
 - Picnic meeting next month
- Matt Perlman will be taking over as Treasurer in 2024.



Toby, WT8O, welcomes Dave, WD8IOU, back to CARS.

VICE PRESIDENT'S REPORT - Ron Hollas, K8RJH, reported the following:

- May 19 - 21 | Dayton Hamvention, hosting the ARRL Great Lakes Division Convention, Xenia, Ohio.
- Bus Transportation available on Sat 20 with CARS www.2cars.org (Spread the Word!)
- Order your Hamvention Tickets in Advance \$26 (save \$4 dollars).
 - <https://hamvention.org/purchase-tickets>
- Consider the Value of ARRL Membership!
 - Long Standing, Growing Services, Public Service, Education, Advocacy, and Technology Access.
 - Support CARS by renewal ARRL membership through CARS. Contact Bob Check, W8GC, for details.

- ARRL Member Survey
 - There is a 12-question survey, available on the ARRL.org Home page and active May 1-31. Focus on member input for changes in the ARRL Fee structure.
 - The results from the survey will be tabulated and shared with the ARRL Board of Directors. The results will also be shared with members on the ARRL website in June. The responses will aid ARRL analysis and discussions, and ultimately help guide the future of ARRL.
- Latest ARRL Podcast...
 - Where do Hams fit into the Incident Command System....
 - <https://blubrry.com/arrlontheair/95601800/where-do-hams-fit-into-the-incident-command-system/>
- ARRL Audio News – For the latest in Amateur Radio News and Developments, Available and posted weekly every Friday.



Toby, WT8O, starts the meeting as Bob, W8GC, moves his hand just in time.



SECRETARY'S REPORT - Alternate Secretary Matt Neely, NU8H, had nothing to report.

PUBLIC SERVICE - Chuck, K8CVM, shared that the next Cuyahoga ARES meeting is Tuesday, May 16th, at the Helwig Whistle Stop, 599 West Bagley Rd., Berea, OH. The topic for the meeting is the Cleveland Marathon. ARES still needs volunteers for the Cleveland Marathon May 20-21. The group especially needs volunteers on Sunday.

VE UPDATE - Metro, W8MET, next VE session is this Sunday at 9:15 AM.

PROGRAM COMMITTEE - Joe, KD8BAL, reported:

- Today's program is An Introduction to the NanoVNA, A handheld Vector Network Analyzer (VNA) presented by Chuck, K8CVM.
- Next month's program is Bob Robbins, K8RGI, will talk about Field Day and the CARS setup for Field Day.
- We need a presentation for July. If you have a topic you'd like to present, please contact Joe, KD8BAL.

TECH COMMITTEE – Scott, AC8NW - Still waiting for a cost estimate to replace our VHF/UHF amplifier.

REFRESHMENTS - Toby, WT8O, thanked Ron, K8RJH, for providing soft drinks, Matt, NU8H, for providing doughnuts and coffee.

OLD BUSINESS – Toby, WT8O, led a discussion on the following:

- Field Day - Signup sheets for participants and T-shirts were passed around. If you want to sign up, contact Toby. Help spread the word about Field Day to get interested from folks outside CARS. Posters will be posted at branches of the Cuyahoga County Library.
- Memorial Day Parade - Email Toby if you want to volunteer.
- Chuck volunteered to use his vehicle for the event.

Next CARS

Meeting

Tuesday, June 13 - 7:30 PM

Bob Robbins, K8RGI

Will present a program on:

Field Day

**Harriet Keeler Picnic Area
Brecksville Reservation
Cleveland Metroparks**

See Website for Details - www.2cars.org

June Net Shed

JUN	7	KD8ACO
JUN	14	AC8NW
JUN	21	AC8TN
JUN	28	WT8O

**Nets are run every Wednesday at
9:00 PM on:**

146.820 (PL 110.9)

**443.825(+) PL Tone 131.8
Digital Yaesu Fusion
Linked to the 146.82 Repeater**

EchoLink Node 343470 (K8ZFR-R)

Allstar Node 47067

- 10 Meter net
 - Discussed antenna recommendations.
 - Recommendation to use a vertical antenna for local contact.
 - Dipole is not recommended for local communications.
 - NVIS is not a good fit for 10 meters.
 - Recommend we hold the 10 meters net on the Technician portion of the band to allow Technicians to participate.
 - Other clubs in the area do 10 meters nets with varying success. One club stopped doing a 10 meter net at 9:00 PM on Tuesday night. A recommendation was given to restart a net at that time.
 - The location of net control is key; they need a good antenna in a high location.
 - Discussions occurred around looking at a different band. Recommendation for 80, but concerns were voiced about the antenna requirements.
 - Recommendation people experiment to see what works.
 - Continue discussion next month.

WIRES X Node 91242 Room 01242



Chuck, K8CVM, gave an interesting program on the Nano VNA analyzer. (L)



Joe, KD8BAL, was the big winner of the 50/50 as Andy, KD8SCV, checks his ticket. (R)

NEW BUSINESS - Toby, WT8O, led a discussion on the following:

- Doug, KE8WBE, wants to bring the Cub Scout group he runs and some Scout groups he's involved with to Field Day. The idea received very positive feedback. If they come out, the Cloud could help to get the kids on the air and show them varying modes of operation. The club would also get bonus Field Day points for getting the kids on the air. We discussed the best time for them to attend. Doug will follow up with Toby on timing.
- Steve, KE8WNP - Provided the recommendation to contact the Lake Erie Boy Scout Council to discuss opportunities to expose Scouts to amateur radio.
- Steve, KE8WNP, asked where the Shaker Heights repeater is located at. Toby shared the location with the club.

NEXT MEETING - The next meeting of The Cuyahoga Amateur Radio Society will be at the Harriet Keeler picnic area in the Brecksville reservation.

50/50 Drawing - Joe, KD8BAL, was the 50/50 drawing.

ADJOURNMENT - Toby, WT8O, adjourned the meeting.

After the meeting, Chuck, K8CVM, presented An Introduction to the NanoVNA, A handheld Vector Network Analyzer (VNA).

Submitted by Matt, NU8H, CARS Alternate Secretary.



Matt, NU8H, did a superb job as the alternate secretary.



Hamvention Bus

Toby, WJ8D

Great Job Eddie!

The CARS Hamvention bus trip this year was arguably the best ever. Eddie, KD8FTS, the committee chairman, did a spectacular job organizing the excursion. Everyone who registered arrived at their requested stops on time. The motor coach departed Middleburg, Brunswick, and Lodi on schedule. We arrived at the Hamvention a few minutes before the gate opened. The group agreed on a 4:30 departure that got us home around 8:00 PM. With the rainy weather threatening to dampen the Hamvention, Eddie convinced the weatherman to give us a picture-perfect day, sunny-not too hot-not too cool.

Eddie put his heart into arranging the bus trip and it certainly showed. He set up the CARS website to take reservations and pay for bus tickets. He added a feature that made it possible to reserve a spot for next year, enticing those that do with an extension on this year's cost, even though we will almost surely raise the fare for next year. Those that took the bus owe him a pat on the back for his efforts. There were numerous positive comments on the club net the following Wednesday. We all returned safely and on time Saturday evening, with items purchased, flea market treasures, and great memories of the day.



Only at the Hamvention.



*Bus Caption extraordinaire:
Eddie, KD8FTS.*



Arriving safe, sound, and relaxed.

Below are a couple of members' comments on the bus trip.

This was my second trip to the Hamvention on the CARS Bus, my expectations were exceeded with comfortable and convenient traveling to the event. The First-Class amenities on this luxury bus continued to make a great impression on both the new and experienced riders.

The real value included being able to share time with the other hams during the trip. It allowed experiencing the Hamvention without the hassle of driving and arriving at the event stress free. Arrival and Departure times were just right for a pleasurable Hamvention experience. As with last year, there was convenient access to the bus during the event day that could securely store any sizeable, purchased items.

Good job to all those who arranged this transportation. I will be looking forward to attending next year's Hamvention with this "Extra Class" travel style!

Ron, K8RJH

When we boarded the bus at 5:00 AM it was raining, and it rained almost all the way down to Xenia. But with about 20 miles left on our journey, the sky cleared, and the rest of the day was dry. The temperature in Xenia was cool all day and perfect for walking around and shopping. The bus ride was comfortable and relaxing, much better than riding in a car.

At the show, the major manufacturers were on hand to answer questions and to demonstrate their latest offerings. The large dealers and retailers were there selling just about everything you could ever want. The flea market encompassed the infield of the racetrack.

There were numerous forums to attend in the two halls.

The ARRL had a large booth with experts on hand ready to discuss the ARRL's role in amateur radio.

For the truly brave attendees, there were all kinds of carnival foods and adult beverages to purchase.

Yes, it was very much like other years, but very enjoyable none the less. People come from all over the country and even from around the world to attend Hamvention. We are extremely fortunate to be only a few hours away.

If we don't show support for our favorite hobby, someday it may just fade away and die out. The ARRL is our only advocate group. Without them no one would stick up for our rights or protect the bands we use. Also, there are only a few manufacturers willing to research and develop new and exciting radio products for us. Let's make sure we keep them all in business.

Hope to see you on the bus next year.

John, NU8Y



*Lotsa smiles
on the bus
riders' faces.*



*Stepping off the luxury bus and hopping on the
luxury golf cart.*

**WELCOME NEW
MEMBERS**

**PERRY TRUNICK
KB8AYQ**

**MARK HUBER
N08J**

Memorial Day Parade

Toby, WT8D

CARS Shines Again

CARS members joined the Seven Hills Memorial Day Parade to help provide radio communications and control traffic of the parade participants. We quickly adjusted to a new parade management group getting the event off to a good start by posting number signs around the perimeter of the Saint Columbkille parking lot. A group of our guys greeted and directed traffic to their designated area. After the parade began, we kept traffic flowing and communicated on our radios.

Those who helped were Matt, KE8OZU; Eddie, KD8FTS; Bob, K8RGI; Joe, KD8BAL; Mark, KC8ESG; Mark, WJ8WM; Toby, WT8D; Scott, AC8NW. and Bruno, W8BJS.

Below is a thank you note from the city of Seven Hills.

Good morning!

On behalf of our committee, and Mayor Anthony Biasiotta, we wish like to thank you for participating in our annual Memorial Day Parade! It was a great success, and the weather was fantastic!

We are so grateful for you taking the time, on this holiday weekend, to attend. We truly appreciate your support, and we look forward to working with you in our future parades!

Have a great rest of your week! See you next year!

Taylor Tomecko

Seven Hills Parade Committee

City of Seven Hills



The city showed off several of their emergency vehicles – lights flashing and sirens wailing.



The honorary color guard.



The Normandy Invaders marching band.



Kimberly and Jeff Novak lookin' spiffy in their Model A Ford.



The baseball players had a cool float. (L)

Bruno, W8BJS; Joe, KD8BAL, and Mark, KC8ESG relax after the parade. (R)



Field Day June 24th – 25th ***Bob, K8RCJ***

Field Day this year is the weekend of June 24th and 25th. We will be setting up at Calvin Park in Seven Hills. The plans right now are for a six-station operation, two SSB stations, two digital stations and one CW station and a sixth station for traffic, messaging, alternate power, and satellite contacts. Toby Kolman, WT8O, is the captain for the two SSB stations, Richard Robbins, WA8RR, is the captain for the two digital stations, David Korow, AC8TN, is the captain for the CW station and Eddie Stevens, KD8FTS, is captain for the sixth station. If you want to be part of the planning and station setup, contact the individual captains. Their phone numbers are on the CARS membership list which is available at WWW.2CARS.ORG.

There have not been any announced rule changes, the rules are the same as last year. There is still a 100 Watt power limit for all stations; this evens the playing field. There is still a class "D" home station. These stations can work any other station for QSO credit. They can also aggregate their scores with the club's score. Therefore, we will have a score for the Calvin Park operation and aggregate score including class "D" home stations. A complete set of rules can be found at www.arrl.org/field-day-rules.

CARS is sponsoring a dinner on Saturday June 24th at the Calvin Park Field Day site. All are welcome, including guests, whether you participate in Field Day or not. We plan to start serving dinner at 5:30 PM. The menu consists of hamburgers and hot dogs, plus condiments, potato salad and baked beans. You are welcome to bring a side dish to share. If you are planning to attend, you must notify me beforehand so we can make sure we have enough food. If you have never attended a Field Day operation, this is an ideal time to see how it operates.

Mic Talk, Slower is Better!

Ron, K8RJH

Using Amateur Radio can provide a great personal benefit of improving our personal skill of “Communicating”, even when using Voice on any of the popular Amateur modes. These modes include Voice repeater systems, Single Sideband on HF or even through an OSCAR Satellite. Aside of the technology used, it is the speed at which you talk that has a huge influence on how the listener perceives you and understands your message through the radio channel. It's important, therefore, to understand your speaking rate and how to manage it depending on the type of mode you are using.

The average speaking rate changes dramatically for the purpose of your speech. According to the National Center for Voice and Speech, the average conversation rate for English speakers in the United States is about 150 words per minute (wpm). However, for commercial radio presenters or podcasters, the “wpm” is higher, whereas the traditional 2-way phone and Amateur voice operator should be slower.

Here is a list of average speech rates for different popular activities.

Presentations: between 100-150 wpm for a comfortable pace

Conversational: between 120-150 wpm

Audiobooks: between 150-160 wpm, which is the upper range that people comfortably hear and vocalize words

Radio hosts and podcasters: between 150-160 wpm

Auctioneers: can speak at about 250 wpm

Commentators: between 250-400 wpm

Generally, a slower rate is easier to understand for the listener. An effective Amateur Radio operator will comfortably talk in the speed range of a “Presenter”, accounting for the reduced bandwidth of the radio channel which influences the received fidelity of the audio media. If you include pauses as well, you will give the listener time to correctly absorb the content of your messages. The more restrictive the audio bandwidth used, the slower one should talk.

Also, remember the 4 golden rules of a good radio operator for effective communication:

1. Clarity - Your voice should be clear. Speak a little slower than normal. Speak in a normal tone, do not shout.
2. Simplicity - Keep your message simple enough for intended listeners to understand.

3. Brevity- Be precise and to the point.
4. Security - Do not transmit confidential information on a radio. Remember, frequencies are shared, and you do not have exclusive use of the frequency.

Finally, allow ample time between voice transmissions, especially on Repeaters, to allow linking receivers and remote sites to complete their interconnect signaling. Usually, a full second or two, up to the repeater carrier drop out will be adequate for most UHF and VHF system regardless of the mode (Analog or Digital). This will ensure that any watch (or time-out) timers will be properly reset to allow your transmissions will be heard at the intended station in it's entirety.



John F. Kennedy's 1961 Inaugural Address, where he slowed his usually very high speaking rate down to below 100 wpm (His normal average speech was well above 150 wpm). Most of the American audience heard His speech over AM Broadcast radio.

CARS Repeaters

146.820 (-) PL Tone 110.9

Analog Repeater

Main Site – Brecksville

Receive Only Site – Brunswick

Receive Only Site – Shaker Hts.

Receive Only Site - Parma

Allstar Node 47067

EchoLink Node 343470 (K8ZFR-R)

WIRES X Node 91242 Room 01242

443.825 (+) PL Tone 131.8

Digital Yaesu Fusion

Linked to 146.820 Repeater

Brecksville

444.75 (+) PL Tone 131.8

Analog Repeater

Not Linked to Other Repeaters

Shaker Hts.

May VE Session

Once again, Metro, W8MET, competently led his outstanding VE team consisting of Gary, NI8Z; George, K8KR; Fred, K8IG, and Linda, N8LRS to another successful VE Session on Sunday May 14th, 2023, at the Old Elmwood Recreation Center in Independence.

Four hams passed their Technician exams becoming licensed amateurs. Congratulations to Hayden Jamnick, KE8YLR; Brian Metzel, KE8YLL; Achilles Metzel, KE8YLT; Peter Snabel, KE8ZHX, and welcome to the Amateur Radio Service. Stephen Bopple, KE8WNP, and Charles Wuest, KE8OZQ upgraded to General, well done by all.

The next VE testing session will be held Sunday, July 9th, at **9:15 AM*** at the Old Elmwood Recreation Center, 6200 Pete Wisniesky Parkway, Independence 44131. Directions and a map are on the CARS website homepage. For information or an appointment please contact Metro, W8MET, at 216-520-1320 or metro351@sbcglobal.net

As always, walk-ins are welcome.

***Please note time change to 9:15 AM.**

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Honorary Members

Any person who by nature of outstanding or meritorious contribution to the furtherance of amateur radio and the ideals of the Cuyahoga Amateur Radio Society

Robert Check, W8GC

Elected 2/10/15

Thomas Wayne, WB8N

Elected 1/10/17

Dwaine Modock, K8ME, SK

Elected 5/9/17

Toby Kolman, WT8O

Elected 10/10/17

Jerry Smith, NW9H

Elected 5/8/18

Ron Borkey, K8VJG, SK

Elected 5/14/19

Ed Stevens, WB8ROK, SK

Elected 8/10/21

CARS 2023 Officers & Committees

Audit

K8RJH ** WT8O, KD8FTS

Audio/Video

AC8NW **

ARRL Liaison

K8RJH **

Awards

W8GC ** WT8O

Christmas party & Summer Picnic

WJ8WM **, K8ARP, KD8FTU, KD8FTV

Field Day

K8RGI **, WT8O **, K8ARP, KD8SCV, AC8NW, AC8TN, WT8O, K8RJH

50/50

KD8SCV

Fund Raising

W8GC ** K8RJH, KE8OZU, WA8GCR

Hamvention Bus

KD8FTS **

Club Historian

WT8O **

License classes

KD8ACO **, WT8O, K8SHB

Media Representative

KD8SCV

Membership

WT8O ** W8GC

NET

WT8O **

Newsletter

WT8O ** 440-525-6109
wt8o@att.net

Programs at Meetings

KD8BAL ** KD8FTS, KE8OZU

Property Custodian's

KB8DTC paper records,
W8GC donations to sell
WT8O Quartermaster

Public Services

KD8FTS **, K8ARP

QSL Manager - W8BM

W8MET **

Refreshments at Meetings & Picnic

K8RJH ** pop, NU8H ** Donuts, NU8Y ** Coffee

Scholarship

W8GC ** K8RGI, KE8OZU, WT8O, K8RJH

Sunshine (welfare)

Andy, KD8SCV ** 440-886-0723

Technical

AC8NW ** N8OVW, WJ8WM, KD8ACO, K8RJH, KB8DTC

VE Exams

Metro, W8MET ** 216-520-1320

Web Master/e-mail

W8GC ** KE8OZU

**** chairman or co-chairman**

2023 Officers

PRESIDENT

Toby Kolman WT8O 440-525-6109
wt8o@att.net

VICE-PRESIDENT

Ron Hollas, K8RJH, 216-379-7440

SECRETARY

Matt Perlman, KE8OZU, 216-337-1540
Alternate Secretary:

TREASURER:

Bob Check W8GC 216-524-1750
Alternate Treasurer: Bob Robbins, K8RGI

Board Members & License Trustees

Board Chairman:

Mark Moro WJ8WM 216-661-0342

even year executive board 2 year term

AC8NW, KB8DTC, WJ8WM

odd year executive board 2 year term

K8RGI, K8ARP, KD8FTS

License trustee

K8ZFR
WT8O

License trustee

W8HBI, W8BM,
W8GC



June 1, 2023